

EXHIBIT 5

UNITED STATES DISTRICT COURT
SOUTHERN DISTRICT OF NEW YORK

_____)	
SCF ARIZONA,)	
)	
Plaintiff,)	
)	
vs.)	09 Civ. 9513 (WHP)
)	
WACHOVIA BANK, N.A.,)	
)	
Defendant.)	
_____)	

CONFIDENTIAL

VIDEOTAPED DEPOSITION OF R. GLENN HUBBARD
New York, New York
Wednesday, March 2, 2011

Reported by:
LYNN VAN DEN HENDE
RPR, CSR, RMR, CRR, CLR
JOB NO: 20956

R. GLENN HUBBARD - CONFIDENTIAL

<p style="text-align: right;">2</p> <p>1 CONFIDENTIAL</p> <p>2</p> <p>3</p> <p>4</p> <p>5 March 2, 2011</p> <p>6 10:02 a.m.</p> <p>7</p> <p>8 Videotaped deposition of R. GLENN</p> <p>9 HUBBARD, held at the offices of Butzel Long,</p> <p>10 380 Madison Avenue, New York, New York,</p> <p>11 pursuant to Notice, before Lynn Van Den</p> <p>12 Hende, a Registered Professional Reporter,</p> <p>13 Certified Shorthand Reporter, Registered</p> <p>14 Merit Reporter, Certified Realtime Reporter,</p> <p>15 Certified LiveNote Reporter and Notary</p> <p>16 Public within and for the State of New York.</p> <p>17</p> <p>18</p> <p>19</p> <p>20</p> <p>21</p> <p>22</p> <p>23</p> <p>24</p> <p>25</p>	<p style="text-align: right;">4</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 VIDEO OPERATOR: Good morning. Here</p> <p>3 begins tape number 1 of the videotaped</p> <p>4 deposition of Mr. Glenn Hubbard in the</p> <p>5 matter of SCF Arizona, plaintiff, versus</p> <p>6 Wachovia Bank, defendants.</p> <p>7 This deposition is being held at the</p> <p>8 offices of Butzel Long, 380 Madison Avenue,</p> <p>9 New York, New York, on March 2, 2011 at</p> <p>10 approximately 10:02 a.m.</p> <p>11 My name is Victor Disla. I'm the</p> <p>12 legal video specialist. The court reporter</p> <p>13 today is Lynn Van Den Hende.</p> <p>14 Will counsel please introduce</p> <p>15 themselves for the record.</p> <p>16 MR. KARLINSKY: Beginning with counsel</p> <p>17 for plaintiff, my name is Martin Karlinsky.</p> <p>18 I'm with the firm of Butzel Long.</p> <p>19 With me today is Regina Alter, also a</p> <p>20 partner in the firm of Butzel Long, and</p> <p>21 Douglas Land of the Chesapeake Group.</p> <p>22 Mr. Land is a consultant to my firm in</p> <p>23 this matter.</p> <p>24 MR. COBETTO: Jack Cobetto with Reed</p> <p>25 Smith for the defendant, Wachovia.</p>
<p style="text-align: right;">3</p> <p>1 CONFIDENTIAL</p> <p>2 A P P E A R A N C E S:</p> <p>3 FOR PLAINTIFF SCF ARIZONA:</p> <p>4 BUTZEL LONG</p> <p>5 380 Madison Avenue, 22nd Floor</p> <p>6 New York, New York 10017</p> <p>7 212-818-1110</p> <p>8 BY: MARTIN E. KARLINSKY, ESQ.</p> <p>9 karlinsky@butzel.com</p> <p>10 REGINA M. ALTER, ESQ.</p> <p>11 alter@butzel.com</p> <p>12</p> <p>13 FOR DEFENDANT WACHOVIA BANK, N.A:</p> <p>14</p> <p>15 REED SMITH, LLP</p> <p>16 Reed Smith Centre</p> <p>17 225 Fifth Avenue</p> <p>18 Pittsburgh, Pennsylvania 15222</p> <p>19 412-288-3131</p> <p>20 BY: JACK B. COBETTO, ESQ.</p> <p>21 jcobetto@reedsmith.com</p> <p>22</p> <p>23 ALSO PRESENT:</p> <p>24</p> <p>25 WILLIAM D. SHELDON, ESQ.</p> <p>STATE COMPENSATION FUND (SCF)</p> <p>(Present via Internet.)</p> <p>DOUGLAS S. LAND, THE CHESAPEAKE GROUP</p> <p>VICTOR DISLA, VIDEOGRAPHER</p>	<p style="text-align: right;">5</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 VIDEO OPERATOR: Will the court</p> <p>3 reporter please swear in the witness.</p> <p>4 (Witness sworn.)</p> <p>5 R. G L E N N H U B B A R D,</p> <p>6 called as a witness, having been duly</p> <p>7 sworn by a Notary Public, was examined</p> <p>8 and testified as follows:</p> <p>9 EXAMINATION</p> <p>10 BY MR. KARLINSKY:</p> <p>11 Q. Good morning, Professor Hubbard.</p> <p>12 I assume it's okay to call you</p> <p>13 "Professor"?</p> <p>14 A. Anything -- anything you like. Glenn,</p> <p>15 Professor.</p> <p>16 Q. Except late for dinner?</p> <p>17 A. Except late for dinner.</p> <p>18 Q. Professor is what I'm most comfortable</p> <p>19 with.</p> <p>20 When were you retained in this matter,</p> <p>21 sir?</p> <p>22 A. I recall my first conversation was in</p> <p>23 late August, I don't remember the date, with</p> <p>24 Mr. Cobetto.</p> <p>25 The actual retention I believe is in</p>

2 (Pages 2 to 5)

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<p style="text-align: right;">10</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 Q. Who prepared the exhibits that are</p> <p>3 annexed to Exhibit 251? That would be Exhibits 1</p> <p>4 through 28.</p> <p>5 A. The quantitative information in the</p> <p>6 exhibits was collected under my direction by the</p> <p>7 staff at Analysis Group.</p> <p>8 I'm a designer and ultimate preparer,</p> <p>9 but I relied on them for the data.</p> <p>10 Q. And they worked under your direction</p> <p>11 and supervision, I take it?</p> <p>12 A. Yes, sir.</p> <p>13 Q. Which individuals at Analysis Group</p> <p>14 assisted you?</p> <p>15 A. Principally Mr. Wong, W-o-n-g, and</p> <p>16 Mr. Visbal, V-i-s-b-a-l.</p> <p>17 Q. And their first names are?</p> <p>18 A. Andrew in the first case and Orlando</p> <p>19 in the second.</p> <p>20 Q. And just what are their backgrounds</p> <p>21 generally?</p> <p>22 A. They're economists.</p> <p>23 Q. They both hold MBA degrees?</p> <p>24 A. I believe -- well Mr. Wong certainly</p> <p>25 holds a Ph.D degree.</p>	<p style="text-align: right;">12</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 given the assignment that I had, I wanted to make</p> <p>3 sure that they constructed samples that were</p> <p>4 appropriate for me as benchmarks.</p> <p>5 And then I had a set of data that I</p> <p>6 wanted them to collect, both on securities prices</p> <p>7 of a variety of forms you see in the report, and</p> <p>8 also collecting a universe of analysts' reports.</p> <p>9 So all of those were collected by them</p> <p>10 in response to that direction.</p> <p>11 Q. Did you prepare a list, Professor</p> <p>12 Hubbard, of the materials that you reviewed in</p> <p>13 connection with the preparation of your report?</p> <p>14 A. Do you mean as distinct from the list</p> <p>15 that's in the report which is the documents</p> <p>16 considered?</p> <p>17 Q. No, I was actually asking you if you</p> <p>18 prepared such a list, including the one that</p> <p>19 appears in the report.</p> <p>20 A. I don't follow your question.</p> <p>21 Certainly ex ante --</p> <p>22 Q. It may have been --</p> <p>23 A. No, no, I apologize. Ex ante --</p> <p>24 Q. It may have been inartful. Let me</p> <p>25 just do it again.</p>
<p style="text-align: right;">11</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 I'm not sure about Mr. Visbal, whether</p> <p>3 he has a Ph.D. or a business degree.</p> <p>4 Q. And you've worked with them before at</p> <p>5 Analysis Group?</p> <p>6 A. I've certainly worked with Analysis</p> <p>7 Group. I had not worked with Mr. Wong or</p> <p>8 Mr. Visbal.</p> <p>9 Q. Did they prepare any particular part</p> <p>10 of the actual report itself, other than the</p> <p>11 exhibits?</p> <p>12 A. No, sir. I drafted the report.</p> <p>13 Q. You drafted the report yourself?</p> <p>14 A. Yes, sir.</p> <p>15 Q. And no one else worked with you on</p> <p>16 this?</p> <p>17 A. Insofar as we discussed before, of</p> <p>18 preparing the exhibits; most of the text is</p> <p>19 really discussing the exhibits.</p> <p>20 Q. Did you direct them with respect to</p> <p>21 gathering the data that underlie the exhibits?</p> <p>22 A. Yes, sir.</p> <p>23 Q. And how did you do that? Was that a</p> <p>24 direction given orally or in writing?</p> <p>25 A. Orally, when we started the project,</p>	<p style="text-align: right;">13</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 A. Okay.</p> <p>3 Q. Let me just do it again.</p> <p>4 A. Okay.</p> <p>5 Q. Turn to Appendix A, would you.</p> <p>6 A. Yes.</p> <p>7 Q. Now that's your curriculum vitae, is</p> <p>8 it not?</p> <p>9 A. Yes.</p> <p>10 Q. And it's followed by Appendix B to the</p> <p>11 report, Exhibit 251?</p> <p>12 A. Yes.</p> <p>13 Q. Which is a listing of the testimony</p> <p>14 you've given over the last -- I guess it's three</p> <p>15 years, correct?</p> <p>16 A. Yes, sir.</p> <p>17 Q. And then exhibit -- sorry, Appendix C,</p> <p>18 titled, "Materials Relied Upon," is this the list</p> <p>19 you were referring to?</p> <p>20 A. Yes, sir.</p> <p>21 It collects the articles, the</p> <p>22 analysts' report and then lists the data sources</p> <p>23 that were used.</p> <p>24 Q. All right. And is it fair to say that</p> <p>25 Appendix C contains all of the materials which</p>

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<p style="text-align: right;">14</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 you considered in connection with the preparation</p> <p>3 of your report?</p> <p>4 A. Generally, yes.</p> <p>5 I mean, my skill as an economist is</p> <p>6 something I bring that isn't necessarily in any</p> <p>7 one of these things.</p> <p>8 But in terms of data I actually used,</p> <p>9 yes.</p> <p>10 Q. In terms of data that you considered,</p> <p>11 yes.</p> <p>12 A. Correct, yes.</p> <p>13 Q. And I noticed -- maybe I'm wrong about</p> <p>14 this, but I did not see anywhere in Appendix C</p> <p>15 that you had listed the government's financial</p> <p>16 crisis inquiry report?</p> <p>17 A. That's right. I did not, no.</p> <p>18 Q. And that's not a document that you --</p> <p>19 or data that you relied upon or considered in</p> <p>20 preparing your report?</p> <p>21 A. No.</p> <p>22 I'd be happy to discuss it with you,</p> <p>23 if you like. But, no, not for the assignment</p> <p>24 that I was given.</p> <p>25 Q. You didn't think it relevant to your</p>	<p style="text-align: right;">16</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 to the assignment?</p> <p>3 A. I don't believe so, no.</p> <p>4 Q. And did you read the first amended</p> <p>5 complaint in this case?</p> <p>6 A. Yes, sir, at the beginning of the</p> <p>7 project I did.</p> <p>8 Q. I didn't see that listed anywhere</p> <p>9 here.</p> <p>10 A. Okay. I apologize. Because I did</p> <p>11 read it.</p> <p>12 Q. So that would be a correction to your</p> <p>13 Appendix C?</p> <p>14 A. Yes.</p> <p>15 Q. Did you read any other part of the</p> <p>16 legal filings in this case, SCF Arizona versus</p> <p>17 Wachovia Bank?</p> <p>18 A. I don't recall doing that, no.</p> <p>19 Q. Did you ask to review any of the other</p> <p>20 legal filings?</p> <p>21 A. No, sir.</p> <p>22 I was given a pretty specific economic</p> <p>23 assignment.</p> <p>24 Q. Did you review any other materials</p> <p>25 that are case specific to this case?</p>
<p style="text-align: right;">15</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 assignment?</p> <p>3 A. No, sir, I didn't.</p> <p>4 Q. Now you know what the Financial Crisis</p> <p>5 Inquiry Report is?</p> <p>6 A. Yes, sir.</p> <p>7 There are actually three of them. The</p> <p>8 bigger one is the one you have. But there are</p> <p>9 three of them floating around.</p> <p>10 Q. Are they floating around?</p> <p>11 A. Well in E-space.</p> <p>12 Q. They're a little heavy to be floating.</p> <p>13 A. Well the others are lighter than that</p> <p>14 one.</p> <p>15 Q. I see.</p> <p>16 A. Right.</p> <p>17 Q. This is the only one I know of, the</p> <p>18 one that's sitting on the table in front of me.</p> <p>19 Well we'll get to that a little bit</p> <p>20 later, in any event.</p> <p>21 Is there anything that you considered</p> <p>22 in connection with the preparation of your report</p> <p>23 that is not listed in Appendix C, other than, as</p> <p>24 you told me, your bringing your background as an</p> <p>25 economist and professor of economics and finance</p>	<p style="text-align: right;">17</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 A. No, sir, other than the other expert</p> <p>3 reports.</p> <p>4 Q. Which ones -- which expert reports did</p> <p>5 you review?</p> <p>6 A. Mr. Geczy's report and Mr. Rosenfarb.</p> <p>7 Q. Those would be the plaintiff's</p> <p>8 experts' reports?</p> <p>9 A. Yes, sir.</p> <p>10 Q. And did you also read the report that</p> <p>11 Professor Peavy prepared on behalf of Wachovia</p> <p>12 Bank?</p> <p>13 A. No, sir, I did not.</p> <p>14 Q. You didn't read Peavy's report?</p> <p>15 A. No, sir.</p> <p>16 Q. Did you ask to read Peavy's report?</p> <p>17 A. No, sir.</p> <p>18 Its subject, as I understood it, was</p> <p>19 different than what I was working on.</p> <p>20 Q. How about Mr. Cohen's report, Jeffrey</p> <p>21 Cohen?</p> <p>22 A. No, sir, I didn't read that either.</p> <p>23 Q. Do you know who Mr. Cohen is?</p> <p>24 A. Yes. He works for Analysis Group.</p> <p>25 Q. And you didn't ask to see his report?</p>

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<p style="text-align: right;">18</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 A. No, sir.</p> <p>3 Q. You didn't read any of the depositions</p> <p>4 taken in this case?</p> <p>5 A. No, sir, I did not.</p> <p>6 Q. And you didn't review the exhibits</p> <p>7 which were marked during the course of the</p> <p>8 depositions, other than the two you have in front</p> <p>9 of you, I take it, which you prepared?</p> <p>10 A. No, sir.</p> <p>11 Q. Unless they happened to be coincident</p> <p>12 with something listed on Appendix C?</p> <p>13 A. If they are in there, then, yes.</p> <p>14 Q. Now let me go back to the exhibits for</p> <p>15 a moment. There's 28 there.</p> <p>16 They are, broadly speaking, charts or</p> <p>17 spreadsheets of data, as well as various graphs</p> <p>18 and illustrations; would that be pretty accurate?</p> <p>19 A. Yes, sir.</p> <p>20 There's some tabular information in</p> <p>21 some of the later exhibits, but as a general</p> <p>22 rule, yes, that's what it is.</p> <p>23 Q. And who actually prepared those</p> <p>24 exhibits physically?</p> <p>25 A. Typed them, is that what you're</p>	<p style="text-align: right;">20</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 A. That is absolutely correct.</p> <p>3 MR. COBETTO: Objection to the form.</p> <p>4 Q. Did you personally check the data to</p> <p>5 confirm its accuracy?</p> <p>6 A. I did spot check data in the backup</p> <p>7 binder that I believe was probably turned over to</p> <p>8 you as well, checking price data.</p> <p>9 I didn't check every data point.</p> <p>10 But I did check to make sure that I</p> <p>11 understood the series and what data were being</p> <p>12 used.</p> <p>13 Q. All right. And you did enough</p> <p>14 checking, I take it, so that you would say that</p> <p>15 you're confident that the data in the material as</p> <p>16 presented is complete and accurate?</p> <p>17 A. Yes, sir.</p> <p>18 Q. Did you have any concerns with the</p> <p>19 quality of any of the underlying data that you</p> <p>20 used to prepare the report or the exhibits?</p> <p>21 A. No, sir.</p> <p>22 There were times in the report I</p> <p>23 highlighted when data weren't available on</p> <p>24 something and noted that; so I don't know if you</p> <p>25 would call that a concern.</p>
<p style="text-align: right;">19</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 asking?</p> <p>3 Q. Well, inputted the data and formatted</p> <p>4 them and produced the final exhibit.</p> <p>5 A. The formatting was done by staff at</p> <p>6 Analysis Group after I'd reviewed the actual</p> <p>7 output.</p> <p>8 Q. But you approved the data to input</p> <p>9 into them, I take it?</p> <p>10 A. Yes, sir.</p> <p>11 Q. And then they did the data input?</p> <p>12 A. Yes, sir.</p> <p>13 Q. And then they turned out the final</p> <p>14 product?</p> <p>15 A. Yes, sir.</p> <p>16 Q. Which you then reviewed?</p> <p>17 A. Yes, sir.</p> <p>18 Q. And you approved?</p> <p>19 A. Yes, sir.</p> <p>20 Q. And you adopt all these exhibits, even</p> <p>21 though you didn't physically prepare them?</p> <p>22 A. I do, yes.</p> <p>23 Q. As I asked Professor Peavy yesterday,</p> <p>24 in effect, you would say these are your exhibits,</p> <p>25 "I own them," true?</p>	<p style="text-align: right;">21</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 But no concern about quality of data</p> <p>3 presented.</p> <p>4 Q. Is it fair to say, Professor Hubbard,</p> <p>5 that -- that the material -- that -- excuse me,</p> <p>6 that the data upon which you relied in preparing</p> <p>7 the report and exhibits is the type of data that</p> <p>8 economists typically rely upon in reaching</p> <p>9 professional judgments?</p> <p>10 A. Yes, sir.</p> <p>11 Q. And what specific sources did you use</p> <p>12 to obtain the data underlying the report in</p> <p>13 exhibits?</p> <p>14 A. A variety of sources.</p> <p>15 For pricing data, generally Bloomberg,</p> <p>16 sometimes Capital IQ.</p> <p>17 For the analyst reports that are</p> <p>18 there, the Thomson IBES service was used.</p> <p>19 And then there is some individual</p> <p>20 reports that are cited by name; and then of</p> <p>21 course academic articles.</p> <p>22 Q. Can you, looking at your report for</p> <p>23 the exhibits, point me to any indication where</p> <p>24 you felt that data wasn't available?</p> <p>25 A. Well the footnotes and exhibits will</p>

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<p style="text-align: right;">46</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 percent.</p> <p>3 Q. Have you received any payment yet?</p> <p>4 A. I don't believe I have.</p> <p>5 The way attribution works, as opposed</p> <p>6 to my bills, is it's not until the client pays</p> <p>7 Analysis Group that I would see it. And I</p> <p>8 haven't seen it, so --</p> <p>9 Q. I'll see if I can do something about</p> <p>10 that.</p> <p>11 A. Okay. So I can't answer as a result.</p> <p>12 MR. KARLINSKY: Why don't we take a 10</p> <p>13 minute break at this point, because I'm</p> <p>14 about to turn to a different subject.</p> <p>15 VIDEO OPERATOR: The time now is 10:45</p> <p>16 a.m. And this marks the end of tape number</p> <p>17 1.</p> <p>18 (Recess taken from 10:45 a.m. to 10:59</p> <p>19 a.m.)</p> <p>20 VIDEO OPERATOR: The time now is 10:59</p> <p>21 a.m. and this marks the beginning of tape</p> <p>22 number 2.</p> <p>23 BY MR. KARLINSKY:</p> <p>24 Q. Professor Hubbard, this morning you</p> <p>25 used the phrase, "the subject matter of this</p>	<p style="text-align: right;">48</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 report?</p> <p>3 A. I was asked to examine whether the</p> <p>4 bankruptcy of Lehman was reasonably foreseeable.</p> <p>5 Q. Were you asked to opine on that</p> <p>6 subject, or did you suggest that you could opine</p> <p>7 on that subject?</p> <p>8 A. That's what I was asked to opine on.</p> <p>9 Q. And the standard of reasonably</p> <p>10 foreseeable, was that standard supplied to you by</p> <p>11 counsel?</p> <p>12 A. No, sir.</p> <p>13 What I did was do -- as you could see</p> <p>14 from the report, a holistic approach of looking</p> <p>15 at a number of data indicators and treating the</p> <p>16 data indicators collectively to come to that</p> <p>17 conclusion.</p> <p>18 Q. I guess what I'm trying to -- strike</p> <p>19 that.</p> <p>20 I'm not certain that was directly</p> <p>21 responsive to my question. So let's just stay</p> <p>22 with it and explore it a little bit more.</p> <p>23 You've used the standard of reasonably</p> <p>24 foreseeable with respect to the Lehman</p> <p>25 bankruptcy.</p>
<p style="text-align: right;">47</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 proceeding"?</p> <p>3 A. I think I was talking about the</p> <p>4 subject matter that I was asked to do.</p> <p>5 Q. No, I think you were referring to the</p> <p>6 subject matter of the case itself.</p> <p>7 A. I don't recall. If you say so, sure.</p> <p>8 Q. Do you know what the subject matter of</p> <p>9 the case is?</p> <p>10 A. My understanding is the subject matter</p> <p>11 is whether the defendant breached a duty in the</p> <p>12 sec lending relationship.</p> <p>13 That's not my assignment, but my</p> <p>14 understanding is that's the big issue.</p> <p>15 Q. What kind of duties?</p> <p>16 Or maybe I should say what kind of</p> <p>17 duty?</p> <p>18 A. Well at the broadest level I think</p> <p>19 what's alleged is a breach of a fiduciary</p> <p>20 responsibility.</p> <p>21 Q. And you would agree, would you not,</p> <p>22 that Wachovia had fiduciary duties to SCF</p> <p>23 Arizona?</p> <p>24 A. Yes.</p> <p>25 Q. What is the subject matter of your</p>	<p style="text-align: right;">49</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 That is whether it was reasonably</p> <p>3 foreseeable, correct?</p> <p>4 A. Yes, sir.</p> <p>5 Q. Who formulated that particular</p> <p>6 standard of reasonably foreseeable?</p> <p>7 A. To my knowledge, that's not a legal</p> <p>8 term of art here.</p> <p>9 I used it as a summary statistic for</p> <p>10 talking about a series of data that would have</p> <p>11 informed market expectations about that</p> <p>12 probability.</p> <p>13 Q. Is it a term of art in economics?</p> <p>14 A. Whether a bankruptcy is foreseeable is</p> <p>15 certainly an economic question, yes.</p> <p>16 Q. Are you familiar with the use of the</p> <p>17 term "reasonably foreseeable" in the economic</p> <p>18 literature?</p> <p>19 A. Generally speaking, that would be a</p> <p>20 way of characterizing default probabilities or</p> <p>21 things that are inferred from derivative markets</p> <p>22 as providing information about the foreseeability</p> <p>23 of a default event.</p> <p>24 Q. And it's used in the literature in</p> <p>25 that sense?</p>

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<p style="text-align: right;">50</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 A. That idea is certainly used in the</p> <p>3 literature. That is the notion of predicting a</p> <p>4 default.</p> <p>5 Q. Do you have any relationship with a</p> <p>6 company called Circle Peak Capital?</p> <p>7 A. Years ago I helped the young man who</p> <p>8 started Circle Peak Capital by being on an</p> <p>9 advisory board. He was a graduate of my school.</p> <p>10 Q. And when did that relationship between</p> <p>11 you and Circle Peak Capital terminate?</p> <p>12 A. I really don't recall.</p> <p>13 I haven't been involved with Circle</p> <p>14 Peak for some time. I made an investment. But</p> <p>15 that's over.</p> <p>16 Q. Do you know members of the -- strike</p> <p>17 that question.</p> <p>18 Do you have relationships with any of</p> <p>19 the members of the board of directors of Lehman</p> <p>20 Brothers Holdings, Inc.?</p> <p>21 A. The board before the company went</p> <p>22 bankrupt?</p> <p>23 Q. Yes, before the bankruptcy.</p> <p>24 A. I really don't recall who's on the</p> <p>25 board of the company.</p>	<p style="text-align: right;">52</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 MR. KARLINSKY: That's very important.</p> <p>3 BY MR. KARLINSKY:</p> <p>4 Q. All right. Let's turn to your report</p> <p>5 and let's look first at paragraph 21.</p> <p>6 In paragraph 21 of Exhibit 251, sir,</p> <p>7 you say in the second sentence:</p> <p>8 "Debt prices incorporate market</p> <p>9 participants' beliefs about the issuer's ability</p> <p>10 to repay its obligations."</p> <p>11 I read that correctly?</p> <p>12 A. Yes, sir.</p> <p>13 It's the third sentence. But, yes,</p> <p>14 that's a correct reading of it.</p> <p>15 Q. Oh, you're right. It is the third</p> <p>16 sentence.</p> <p>17 Would you explain to me how debt</p> <p>18 prices incorporate market participants' beliefs</p> <p>19 about an issuer's ability to repay its</p> <p>20 obligations?</p> <p>21 A. Simply put, one element of the</p> <p>22 required rate of return on a debt instrument</p> <p>23 relates to the default probability of that</p> <p>24 instrument.</p> <p>25 It's not the only determinative price.</p>
<p style="text-align: right;">51</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 If you give me the names, I'll happily</p> <p>3 tell you whether I had a relationship.</p> <p>4 Q. Speaking of which, I forgot to tell</p> <p>5 you I bear greetings from Harvey Kreuger.</p> <p>6 A. Okay. Well Harvey was on the ADP</p> <p>7 board with me.</p> <p>8 Q. Yeah. Oh, was he?</p> <p>9 A. Yes.</p> <p>10 Q. Okay. He told me to convey his</p> <p>11 regards to you.</p> <p>12 A. Okay. He's a wonderful man.</p> <p>13 Q. He is a wonderful man. He and I sit</p> <p>14 on the -- I'm the president of the American</p> <p>15 Friends of the Hebrew University.</p> <p>16 A. Okay.</p> <p>17 Q. And he's very involved. He used to</p> <p>18 be -- he was the chairman of the Board of</p> <p>19 Governors of the university at one time.</p> <p>20 A. I see. I see.</p> <p>21 MR. COBETTO: You can ask him</p> <p>22 questions too, if he starts to --</p> <p>23 MR. KARLINSKY: Yeah, he's allowed.</p> <p>24 I'm not under oath though.</p> <p>25 MR. COBETTO: That's important.</p>	<p style="text-align: right;">53</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 The movement of interest rates</p> <p>3 generally for a security of that duration also</p> <p>4 affect price.</p> <p>5 The liquidity in which -- of the</p> <p>6 market in which the security is traded are also</p> <p>7 there.</p> <p>8 But what the sentence is is that</p> <p>9 insofar as there is information about default</p> <p>10 risk, it should be in the price.</p> <p>11 Q. You say "default risk." That's the</p> <p>12 term you use?</p> <p>13 A. Yes, sir.</p> <p>14 Q. Is that the same as credit risk?</p> <p>15 A. Credit risk is trying to get at the</p> <p>16 same thing, yes.</p> <p>17 Q. Okay. And it's also sometimes called</p> <p>18 repayment risk, is it not?</p> <p>19 A. It's sometimes is called repayment</p> <p>20 risk, yes.</p> <p>21 Q. Any other terms that cover that</p> <p>22 concept?</p> <p>23 A. I think anything that gets at not</p> <p>24 getting all your money back is what those terms</p> <p>25 are about.</p>

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<p style="text-align: right;">54</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 Q. Let me see if I understand this well.</p> <p>3 I didn't go to business school, and</p> <p>4 I've never studied finance, Professor. So I'm</p> <p>5 just a -- I'm not just a country lawyer; I'm a</p> <p>6 city lawyer. But I'm not the most sophisticated</p> <p>7 about this. So let me see if I can understand</p> <p>8 it.</p> <p>9 You say first, one element of the</p> <p>10 required rate of return on a debt instrument</p> <p>11 relates to the default probability of that</p> <p>12 instrument.</p> <p>13 Explain that particular concept to me.</p> <p>14 A. Sure.</p> <p>15 The easiest way to think about it,</p> <p>16 suppose I'm going to lend you money for a period</p> <p>17 of time that we agree on.</p> <p>18 Now the question is what's the</p> <p>19 appropriate compensation for me.</p> <p>20 Well one thing I have to do is cover</p> <p>21 my opportunity costs of just putting it in some</p> <p>22 safe asset, like a Treasury security.</p> <p>23 So that's a benchmark.</p> <p>24 And movements and overall yields for</p> <p>25 that duration will affect what I'm going to</p>	<p style="text-align: right;">56</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 extremely efficient, and many corporate bond</p> <p>3 markets it is very efficient.</p> <p>4 You know, there are some very seldom</p> <p>5 traded bonds that would be less efficient.</p> <p>6 But in all cases I think one could</p> <p>7 still assume that the information is generally</p> <p>8 the price.</p> <p>9 Q. Did you take that into account, that</p> <p>10 particular aspect of this matter, that is that</p> <p>11 where the -- where a debt instrument doesn't</p> <p>12 trade very often; did you take that consideration</p> <p>13 into account in reaching your opinions here?</p> <p>14 A. I guess I'm not quite sure what you</p> <p>15 mean.</p> <p>16 What I do with the data is compare</p> <p>17 information about the note at issue, and indeed</p> <p>18 Lehman notes generally, with comparable firms.</p> <p>19 And I also used data on credit default</p> <p>20 swap spreads that are very liquid.</p> <p>21 Q. There's a Latin expression that's used</p> <p>22 in economics, ceteris paribus.</p> <p>23 A. Yes. All other things equal.</p> <p>24 Q. All other things equal.</p> <p>25 Well all other things equal here, I</p>
<p style="text-align: right;">55</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 charge you.</p> <p>3 I also need to charge you an</p> <p>4 additional premium with my assessment of your</p> <p>5 credit risk.</p> <p>6 What's the likelihood that you're</p> <p>7 going to pay me back. And if there is a default,</p> <p>8 what would I expect to get back.</p> <p>9 A default doesn't mean I get nothing</p> <p>10 back, but what is -- what is my assessment of</p> <p>11 loss.</p> <p>12 So I would figure all that into the</p> <p>13 required return.</p> <p>14 The price of a debt instrument simply</p> <p>15 capitalizes the stream of payments of that</p> <p>16 required return and the return of principal.</p> <p>17 Q. And when you say it capitalizes it,</p> <p>18 you convert it into a price?</p> <p>19 A. Yes. So a higher required -- an</p> <p>20 increase in a required rate of return for a given</p> <p>21 instrument will lower its price, and vice versa.</p> <p>22 Q. And is it your view that the market is</p> <p>23 generally efficient in pricing credit risk in</p> <p>24 debt securities?</p> <p>25 A. Certainly in the Treasury market it is</p>	<p style="text-align: right;">57</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 take it the spread between risk free investment</p> <p>3 and actual -- what is that -- oh, I'm sorry,</p> <p>4 that's -- I withdraw the question.</p> <p>5 All things being equal, I take it that</p> <p>6 the spread between a risk free investment and the</p> <p>7 actual return on another investment reflects the</p> <p>8 repayment risk?</p> <p>9 A. No, that would not be accurate.</p> <p>10 Q. Not accurate?</p> <p>11 A. It would be one of the factors.</p> <p>12 A lot of recent research in bond</p> <p>13 yields focuses on so-called macro factors.</p> <p>14 So probabilities that a whole series</p> <p>15 of securities default all at once.</p> <p>16 Sometimes it's called jump-to-default</p> <p>17 risk or sometimes contagion risk. Those are</p> <p>18 slightly different measures of the same thing.</p> <p>19 The default risk is in there, but it's</p> <p>20 not only the own default risk that's in there.</p> <p>21 It's also the macro premium.</p> <p>22 In addition, for some securities there</p> <p>23 are also tax factors and liquidity factors.</p> <p>24 There's a whole literature that tries</p> <p>25 to parse those out.</p>

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<p style="text-align: right;">58</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 But if your question is is one of them</p> <p>3 default risk and is that important, yes.</p> <p>4 Q. So the answer to my question is both</p> <p>5 yes and no?</p> <p>6 MR. COBETTO: Objection to the form.</p> <p>7 A. It is in there, but it's not all; if</p> <p>8 that's what you mean by yes and no.</p> <p>9 Q. Yeah, it's in there, but it's not all.</p> <p>10 A. Correct.</p> <p>11 Q. You say there are other factors?</p> <p>12 A. Yes, sir.</p> <p>13 Q. The ones you've just identified?</p> <p>14 A. Yes, sir.</p> <p>15 Q. And that is still the case, assuming</p> <p>16 all things are equal, assuming all else equal?</p> <p>17 MR. COBETTO: Objection to the form.</p> <p>18 A. Well one way you might consider the</p> <p>19 all is equal example is to hold all those other</p> <p>20 factors equal, would a change in default risk</p> <p>21 change the required rate of return; yes.</p> <p>22 If that's what you're asking.</p> <p>23 Q. That's I think a fair answer. Thank</p> <p>24 you.</p> <p>25 In your view -- I asked you before</p>	<p style="text-align: right;">60</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 A. Well the easiest example for me to</p> <p>3 give is broader than credit risk.</p> <p>4 I'm thinking of structured products.</p> <p>5 We know that --</p> <p>6 Q. Structured investment vehicles, for</p> <p>7 example?</p> <p>8 A. Well what I was thinking of were some</p> <p>9 asset-backed security arrangements, where market</p> <p>10 participants thought they were pricing individual</p> <p>11 security risk in those portfolios, but abstracted</p> <p>12 from common risks that could destroy those</p> <p>13 correlations.</p> <p>14 So in that sense, those we know now</p> <p>15 from hindsight were wrong, to give you an</p> <p>16 example.</p> <p>17 Q. And what you're referring to is the</p> <p>18 fact that there was -- let's see if I can get</p> <p>19 this right -- there was -- there was common risk</p> <p>20 with respect to the economy itself in the</p> <p>21 subprime mortgage sector, for example?</p> <p>22 A. Well, yes.</p> <p>23 I mean, just to give an historical</p> <p>24 example, there were a lot of corporate defaults</p> <p>25 in the 2001 recession.</p>
<p style="text-align: right;">59</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 about the efficiency of the market and pricing</p> <p>3 credit risk and debt securities.</p> <p>4 In your experience and in your view</p> <p>5 are market prices ever incorrect?</p> <p>6 MR. COBETTO: Objection to the form.</p> <p>7 A. Well all the market -- I'm not sure</p> <p>8 what you mean by "incorrect," because it must be</p> <p>9 relative to something.</p> <p>10 Q. In terms of pricing credit risk and</p> <p>11 debt securities.</p> <p>12 A. Well, ex-post we know prices can get</p> <p>13 things wrong.</p> <p>14 If I set a price today -- I decide to</p> <p>15 lend you money today, I form my impression of</p> <p>16 your credit risk, I might learn tomorrow that I</p> <p>17 judged incorrectly.</p> <p>18 So an ex-ante price is just the</p> <p>19 market's expectation given the available</p> <p>20 information.</p> <p>21 It doesn't necessarily mean it's</p> <p>22 spot-on.</p> <p>23 Q. Can you bring to mind instances that</p> <p>24 you could identify where the market did not</p> <p>25 accurately price credit risk?</p>	<p style="text-align: right;">61</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 And it was not so much that individual</p> <p>3 corporate credit assessments were right or wrong,</p> <p>4 but the overall economy performed worse than</p> <p>5 people thought.</p> <p>6 In the case of the housing market, I</p> <p>7 think many of these vehicles were focused only on</p> <p>8 correlations inside the vehicle, but not</p> <p>9 considering the possibility could house prices</p> <p>10 generally go up or down.</p> <p>11 Q. Exactly what I was thinking.</p> <p>12 A. And that's -- right.</p> <p>13 Q. Good.</p> <p>14 A. And that was a mistake.</p> <p>15 Q. In your report you use the term "price</p> <p>16 of debt."</p> <p>17 A. Yes, sir.</p> <p>18 Q. And that's the same thing effectively</p> <p>19 as credit spread, is it not?</p> <p>20 A. I'm not sure where I use it. I'm</p> <p>21 probably referring to a bond price.</p> <p>22 But, yes, you can get there.</p> <p>23 You can take the -- I can go back and</p> <p>24 forth between the two constructs.</p> <p>25 Q. Okay. When you say you can go back</p>

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<p style="text-align: right;">62</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 and forth between the two constructs, they're</p> <p>3 interrelated in effect?</p> <p>4 A. Correct.</p> <p>5 Q. Let's turn in your report to paragraph</p> <p>6 10.</p> <p>7 In paragraph 10 you start off by</p> <p>8 saying:</p> <p>9 "Lehman's bond prices generally traded</p> <p>10 above 90 cents on the dollar, and most of the</p> <p>11 time above 95 cents on the dollar, until the week</p> <p>12 preceding its Chapter 11 filing on September 15,</p> <p>13 2008. Lehman's bond prices and changes in bond</p> <p>14 prices were inconsistent with investors'</p> <p>15 expectations of other firms near bankruptcy."</p> <p>16 Correct?</p> <p>17 A. Yes, sir.</p> <p>18 Q. And that's the first bullet in</p> <p>19 paragraph 10?</p> <p>20 A. Yes, sir.</p> <p>21 Q. You use the language in that</p> <p>22 paragraph, "until the week preceding the Lehman</p> <p>23 Chapter 11 filing on September 15."</p> <p>24 What date did you actually mean by</p> <p>25 that?</p>	<p style="text-align: right;">64</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 A. Correct.</p> <p>3 Q. -- in Exhibit 4, correct?</p> <p>4 A. Yes, sir.</p> <p>5 Q. Where you have Lehman generally --</p> <p>6 A. Lehman for the top 25, that's what I</p> <p>7 mean by Lehman.</p> <p>8 And then the at-issue note is the</p> <p>9 at-issue note.</p> <p>10 Q. Good. And the first one that's</p> <p>11 footnote 9?</p> <p>12 A. Yes, sir.</p> <p>13 Q. That is the first entry on Lehman?</p> <p>14 A. Right.</p> <p>15 Q. And you say those were the Lehman</p> <p>16 company's 25 largest U.S. dollar debt issuances?</p> <p>17 A. Yes, sir.</p> <p>18 That came from Exhibit 1 where those</p> <p>19 issuances were enumerated.</p> <p>20 Q. Okay. And the Lehman at-issue note,</p> <p>21 that's your term for the note that's in issue in</p> <p>22 this case, correct?</p> <p>23 A. Yes, sir. That's what I mean. Thank</p> <p>24 you.</p> <p>25 Q. And you say that the note at issue in</p>
<p style="text-align: right;">63</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 A. I believe the way to see that is just</p> <p>3 to go right to the exhibit.</p> <p>4 Q. Sure.</p> <p>5 A. So go to -- well Exhibit 3 is in</p> <p>6 pictures. You'd have to get like right up until</p> <p>7 the last day.</p> <p>8 If you look at Exhibit 4, just looking</p> <p>9 at bond value --</p> <p>10 Q. Yes.</p> <p>11 A. -- as a percent of value, 12 months</p> <p>12 before.</p> <p>13 So even five days before the at-issue</p> <p>14 note is almost 99 cents on the dollar.</p> <p>15 Two days before, literally right up to</p> <p>16 it, it's like 85 cents roughly.</p> <p>17 And then the picture version of it is</p> <p>18 in Exhibit 3.</p> <p>19 Q. Okay. And we're looking at --</p> <p>20 A. I mean, in the backup I would add each</p> <p>21 day.</p> <p>22 But in the exhibit that's the best I</p> <p>23 can do, is point you to the 2 and five.</p> <p>24 Q. I'm sorry, we're looking at the bottom</p> <p>25 of the spreadsheet --</p>	<p style="text-align: right;">65</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 this case was trading at 84.5 percent of -- that</p> <p>3 would be 84.5 percent of par value?</p> <p>4 A. No.</p> <p>5 It's 84.5 percent of the 12 month</p> <p>6 prior.</p> <p>7 It probably is about what you said.</p> <p>8 But literally what's in the figure is the percent</p> <p>9 of what it was 12 months prior to bankruptcy.</p> <p>10 I don't know what it was on that date.</p> <p>11 Q. I understand.</p> <p>12 And that that was two days prior to</p> <p>13 the bankruptcy filing.</p> <p>14 Now you wouldn't count the date of the</p> <p>15 filing in computing that two days, correct?</p> <p>16 A. That's correct.</p> <p>17 Q. So I represent to you that -- well</p> <p>18 actually I'm sure you know this.</p> <p>19 What day of the week was the Lehman</p> <p>20 bankruptcy?</p> <p>21 A. Well the filing was a Monday.</p> <p>22 Q. And two days prior to that would have</p> <p>23 been Thursday the 11th, September 11, 2008?</p> <p>24 A. Yes, yes.</p> <p>25 Q. And it's your view then that -- so</p>

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<p style="text-align: right;">82</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 So clearly somebody got surprised.</p> <p>3 Second, looking at bond prices, they</p> <p>4 were very different from companies that had gone</p> <p>5 bankrupt.</p> <p>6 Then I looked at whether Lehman had</p> <p>7 raised equity or debt capital, and found out that</p> <p>8 it had.</p> <p>9 Again, very unusual for a firm you</p> <p>10 would think is about to go bankrupt.</p> <p>11 Then I looked at the credit default</p> <p>12 swap spreads where Lehman looked different from</p> <p>13 companies that went bankrupt.</p> <p>14 And then finally I looked at equity</p> <p>15 analyst reports.</p> <p>16 So each of those are pieces. I don't</p> <p>17 view any one as dispositive.</p> <p>18 Q. At what point in time -- and I hate to</p> <p>19 use that phrase, but at what point in time in</p> <p>20 your view did Lehman's bankruptcy become</p> <p>21 reasonably foreseeable?</p> <p>22 MR. COBETTO: Objection to the form.</p> <p>23 A. Well I think that's a question that</p> <p>24 almost has to go to policymakers.</p> <p>25 When Hank Paulson came to Columbia</p>	<p style="text-align: right;">84</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 action, government action which of course did not</p> <p>3 happen this time.</p> <p>4 Q. So it might also be fair to say that</p> <p>5 the market was anticipating government</p> <p>6 intervention?</p> <p>7 A. It's entirely possible.</p> <p>8 And that intervention could indemnify</p> <p>9 bond holders, as it had in Bear Stearns</p> <p>10 essentially.</p> <p>11 Q. And the government did that in the</p> <p>12 Bear Stearns situation by agreeing to guarantee</p> <p>13 all of Bear Stearns' obligations when JP Morgan</p> <p>14 Chase bought Bear Stearns?</p> <p>15 A. That's correct.</p> <p>16 The equity holders took a very large</p> <p>17 hit. They were almost wiped out. But the debt</p> <p>18 holders were indemnified.</p> <p>19 Q. Yeah, when I was referring to</p> <p>20 obligations, I meant debt.</p> <p>21 A. Yeah.</p> <p>22 Q. There are no obligations per se I</p> <p>23 guess that go with -- I guess to pay a dividend</p> <p>24 or something would go with common stock?</p> <p>25 A. Donuts at the annual meeting.</p>
<p style="text-align: right;">83</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 last week, he did an on-the-record discussion</p> <p>3 with our students.</p> <p>4 And he was clearly working on this</p> <p>5 problem that weekend, thinking that he had a</p> <p>6 solution in hand. That's his words to my -- to</p> <p>7 my students.</p> <p>8 I was not a participant in that</p> <p>9 transaction, so I can't have a view.</p> <p>10 We do know that the market certainly</p> <p>11 at the close -- going into the weekend still had</p> <p>12 prices on securities very different from what one</p> <p>13 would expect of a bankrupt enterprise.</p> <p>14 Q. So you would say that on September 12,</p> <p>15 that Friday, at the close of trading -- I mean</p> <p>16 there really isn't any close of trading anymore,</p> <p>17 but close of business on Friday, September 12,</p> <p>18 you would say even at that point that the market</p> <p>19 wasn't reasonably foreseeing bankruptcy?</p> <p>20 A. It is certainly the case that that is</p> <p>21 true. You did not see the wholesale run to the</p> <p>22 exit door for Lehman, even moments before it went</p> <p>23 bankrupt.</p> <p>24 I think part of that, as I argue in</p> <p>25 the report, is conditioned by prior government</p>	<p style="text-align: right;">85</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 Q. Donuts at the annual meeting?</p> <p>3 A. But not a lot.</p> <p>4 Q. Exactly. Krispy Kreme Doughnuts.</p> <p>5 Professor Peavy was talking about</p> <p>6 Krispy Kreme Doughnuts yesterday.</p> <p>7 A. Oh, okay.</p> <p>8 Q. Don't ask me why.</p> <p>9 MR. COBETTO: Because you asked him.</p> <p>10 Q. About the donuts?</p> <p>11 Do you think, Professor Hubbard, that</p> <p>12 the market's perception of default -- let me say</p> <p>13 it differently.</p> <p>14 Do you think, Professor Hubbard, that</p> <p>15 the market's perception of the likelihood of</p> <p>16 default by Lehman increased between March of</p> <p>17 2007, when the at-issue note was purchased, to</p> <p>18 the date immediately prior to the filing of the</p> <p>19 bankruptcy, that is September 12, 2008?</p> <p>20 A. Well we don't have to speculate,</p> <p>21 because I actually use data from the CDS market.</p> <p>22 So we can go back -- see if I can find</p> <p>23 an exhibit for you.</p> <p>24 So Exhibit 20 is the last, but they</p> <p>25 start with 15.</p>

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<p style="text-align: right;">86</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 So you can actually plot Lehman's --</p> <p>3 first it starts with one year CDS spreads.</p> <p>4 And as you can -- the answer to your</p> <p>5 question would be, yes, CDS spreads rose.</p> <p>6 They also rose for other institutions</p> <p>7 that did not go bankrupt.</p> <p>8 And then there's a comparison to firms</p> <p>9 generally as the exhibits proceed.</p> <p>10 Q. Let me see if I've got that answer</p> <p>11 clearly, because I'm not certain I do.</p> <p>12 (Pause in the record.)</p> <p>13 Q. So if I understood you correctly, you</p> <p>14 confirmed, based on your looking at Exhibit 15,</p> <p>15 that CDS spreads rose in the period of time that</p> <p>16 I gave you, that is, between -- well actually it</p> <p>17 starts -- this graph starts at July 1, 2007. The</p> <p>18 period of time I gave you is March 2007.</p> <p>19 But you confirm that CDS spreads for</p> <p>20 Lehman rose during the period of time that your</p> <p>21 graph shows.</p> <p>22 And my question to you wasn't</p> <p>23 precisely did CDS spreads rise.</p> <p>24 It was whether you believed that the</p> <p>25 risk involved in holding Lehman debt increased,</p>	<p style="text-align: right;">88</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 Q. And therefore, to answer my question,</p> <p>3 that the market was viewing such firms' debt</p> <p>4 with -- as having increased risk?</p> <p>5 A. Yes.</p> <p>6 Although if you look at Exhibit 13 and</p> <p>7 14, huge differences between that increase and</p> <p>8 what actually you would see for bankrupt firms.</p> <p>9 So, yes, your time series is right,</p> <p>10 but your cross section would be wrong, if your</p> <p>11 intent is to compare it with what CDS spreads for</p> <p>12 bankrupt firms look like.</p> <p>13 Q. So you would say that even though the</p> <p>14 market viewed such firms' debt as being</p> <p>15 increasingly risky, in your view that risk</p> <p>16 profile, as it changed during that period of</p> <p>17 time, was still not consistent with the risk</p> <p>18 profile one would see in firms that did file for</p> <p>19 bankruptcy?</p> <p>20 A. That's correct.</p> <p>21 And we know that several ways.</p> <p>22 We know that from the comparison of</p> <p>23 the CDS spreads. We know from the fact that</p> <p>24 Lehman raised equity and debt capital during the</p> <p>25 period that you mentioned. And we know it from</p>
<p style="text-align: right;">87</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 and specifically the note at issue here; whether</p> <p>3 the risk in holding that increased during that</p> <p>4 applicable period?</p> <p>5 A. We know that the CDS spreads went up</p> <p>6 for financial institutions generally. We see</p> <p>7 that in Exhibit 18 and Exhibit 19.</p> <p>8 Lehman is tracking those.</p> <p>9 And the market generally views</p> <p>10 financial institutions as having a rising risk</p> <p>11 profile.</p> <p>12 At the end of the day it's about</p> <p>13 price.</p> <p>14 And we can go back to the discussion</p> <p>15 of the earlier exhibit, where we see a holding of</p> <p>16 the -- general holding of the price of Lehman</p> <p>17 debt.</p> <p>18 Q. So there's no question that the market</p> <p>19 was viewing financial sector firms as increasing</p> <p>20 in risk during the period of time that I</p> <p>21 specified?</p> <p>22 MR. COBETTO: Objection to the form.</p> <p>23 A. Generally financial firms had</p> <p>24 increasing CDS spreads, yes, during that time</p> <p>25 period.</p>	<p style="text-align: right;">89</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 the bond price discussion in Exhibit 4.</p> <p>3 Q. Did you reach any opinion with respect</p> <p>4 to whether the Lehman at-issue note was</p> <p>5 reasonable and appropriate for the SCF Arizona</p> <p>6 portfolio?</p> <p>7 A. I wasn't asked to opine on that, no.</p> <p>8 Simply on the question of whether</p> <p>9 Lehman's bankruptcy was foreseeable.</p> <p>10 Q. And nonetheless, have you any opinion</p> <p>11 on whether the Lehman at-issue note was in fact</p> <p>12 reasonable or appropriate for the SCF Arizona</p> <p>13 portfolio?</p> <p>14 A. What I note in the report is that the</p> <p>15 Lehman securities were held widely in money</p> <p>16 market funds, which were extremely conservative</p> <p>17 investments.</p> <p>18 But I haven't reviewed the sec lending</p> <p>19 agreement.</p> <p>20 Q. And you have to review the securities</p> <p>21 lending agreement to reach any opinion on that</p> <p>22 subject?</p> <p>23 A. Well I would want to see what the</p> <p>24 parties had agreed upon.</p> <p>25 But given that money market funds,</p>

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<p style="text-align: right;">90</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 which are the most conservative investment</p> <p>3 management possible, were holding such notes, it</p> <p>4 would be hard for me to imagine.</p> <p>5 But I wasn't asked to opine on that</p> <p>6 subject.</p> <p>7 Q. Okay. And do you know whether anyone</p> <p>8 in this case has given an opinion on that</p> <p>9 subject?</p> <p>10 A. I don't, no.</p> <p>11 Q. Were you asked to opine with respect</p> <p>12 to the suitability of the Lehman at-issue note</p> <p>13 for the SCF Arizona portfolio?</p> <p>14 A. I must not be understanding, because I</p> <p>15 thought that's the question you just asked me.</p> <p>16 Q. I actually used different words.</p> <p>17 A. You said "appropriate."</p> <p>18 Q. Reasonable and appropriate.</p> <p>19 And now I'm asking the same question,</p> <p>20 substituting the word "suitability."</p> <p>21 A. Well --</p> <p>22 MR. COBETTO: What's the difference?</p> <p>23 A. I'm not a lawyer, so I can't -- I</p> <p>24 wouldn't even begin to want to parse it.</p> <p>25 To me I'll just go to "appropriate and</p>	<p style="text-align: right;">92</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 opinions that arose out of what used to be called</p> <p>3 many, many, many years ago the, "Know Your</p> <p>4 Customer Rule" --</p> <p>5 A. Right.</p> <p>6 Q. -- in the Stock Exchange.</p> <p>7 A. Right, right.</p> <p>8 Q. And there's an equivalent FINRA rule</p> <p>9 of course.</p> <p>10 A. Right.</p> <p>11 Q. You don't see any difference, and I</p> <p>12 don't see any difference either, by the way,</p> <p>13 between "reasonable" and "appropriate" and</p> <p>14 "suitable"?</p> <p>15 A. Again, I'm -- I'm not a lawyer.</p> <p>16 I wouldn't understand such a</p> <p>17 difference, no.</p> <p>18 Q. Okay. That's a good answer.</p> <p>19 And, as you told me, you haven't</p> <p>20 reviewed the agreement between Wachovia and SCF?</p> <p>21 A. That's correct, I have not.</p> <p>22 Q. You didn't ask to review it?</p> <p>23 A. No. Because it wasn't germane to the</p> <p>24 question I was asked to do.</p> <p>25 VIDEO OPERATOR: Excuse me, Counsel.</p>
<p style="text-align: right;">91</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 okay" as an economist.</p> <p>3 But I've seen no evidence and data</p> <p>4 that would suggest that it wouldn't be</p> <p>5 appropriate.</p> <p>6 But as I answered you before, I</p> <p>7 haven't reviewed the securities lending</p> <p>8 agreement.</p> <p>9 So if there was a prescription on</p> <p>10 securities that started with the letter L or</p> <p>11 something like that, I wouldn't know that.</p> <p>12 Q. Have you ever seen a prescription in a</p> <p>13 securities lending agreement of buying securities</p> <p>14 that started with the letter L?</p> <p>15 A. No.</p> <p>16 But my point is I don't know -- it</p> <p>17 would be hard for me to imagine this is</p> <p>18 inconsistent with the agreement, but I haven't</p> <p>19 reviewed the agreement.</p> <p>20 Q. I wasn't trying to trip you up with</p> <p>21 the use of the word "suitable."</p> <p>22 "Suitable" to me is -- you're not a</p> <p>23 lawyer, that's right.</p> <p>24 But "suitable" to me is the term that</p> <p>25 used to be used much more often in the judicial</p>	<p style="text-align: right;">93</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 I have 5 minutes left on the tape.</p> <p>3 MR. KARLINSKY: All right. Why don't</p> <p>4 we take our break right now.</p> <p>5 VIDEO OPERATOR: The time is 11:50</p> <p>6 a.m. And this marks the end of tape number</p> <p>7 2.</p> <p>8 (Luncheon recess taken from 11:50 a.m.</p> <p>9 to 1:16 p.m.)</p> <p>10 VIDEO OPERATOR: The time now is 1:16</p> <p>11 p.m. And this marks the beginning of tape</p> <p>12 number 3.</p> <p>13 BY MR. KARLINSKY:</p> <p>14 Q. Professor Hubbard, I had asked you</p> <p>15 some questions at the end of the session this</p> <p>16 morning concerning your views on the market's</p> <p>17 pricing increasing risk into the debt securities</p> <p>18 of financial services firms.</p> <p>19 And you recall that dialogue you and I</p> <p>20 had?</p> <p>21 A. Yes, sir.</p> <p>22 Q. I'd asked you a specific question,</p> <p>23 which I want to repeat to you, because I didn't</p> <p>24 get the answer clearly enough, clearly enough for</p> <p>25 my purposes.</p>

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<p style="text-align: right;">106</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 investment banks.</p> <p>3 Q. And that was your criteria for</p> <p>4 choosing them?</p> <p>5 A. In this particular -- as you see,</p> <p>6 there are lots of different samples that I used.</p> <p>7 But for this picture, yes.</p> <p>8 Q. Did you consider using any others, any</p> <p>9 other investment banks?</p> <p>10 A. I did in the others look at a larger</p> <p>11 set of financial institutions.</p> <p>12 Q. Where would I find that?</p> <p>13 A. Well if you look at Exhibit 17, it</p> <p>14 also has other financial institutions.</p> <p>15 Q. On 17 --</p> <p>16 A. Exhibit 17 you can see AIG, Bank of</p> <p>17 America, Citibank.</p> <p>18 Q. Any others than those?</p> <p>19 A. The general exhibits you saw earlier</p> <p>20 had the other firms.</p> <p>21 So if you look at -- the firms that</p> <p>22 filed for bankruptcy exhibits, you know, those</p> <p>23 are certainly other firms.</p> <p>24 Q. Is there -- this "similar pattern"</p> <p>25 term that you employ, is there a statistical</p>	<p style="text-align: right;">108</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 pattern, where, unless you're blind, I think you</p> <p>3 can tell the difference between Lehman and</p> <p>4 bankrupt firms.</p> <p>5 The others are simply just information</p> <p>6 that show the whole sectors moving.</p> <p>7 Q. Did you perform any analysis on --</p> <p>8 well strike that question.</p> <p>9 Do you understand that the Lehman</p> <p>10 spreads increased more than the spreads for the</p> <p>11 other firms that you determined were comparable?</p> <p>12 A. Which figure are we --</p> <p>13 Q. Well you can -- actually I would like</p> <p>14 you to answer that without reference to any</p> <p>15 figure.</p> <p>16 And I'll repeat the question if you'd</p> <p>17 like.</p> <p>18 MR. COBETTO: Objection.</p> <p>19 A. Well I assume -- I assume you're</p> <p>20 talking about Exhibit 15.</p> <p>21 Q. No, I'm not talking about any exhibit</p> <p>22 at all.</p> <p>23 A. Well we know that it matters, sir,</p> <p>24 because we just had a conversation about Exhibit</p> <p>25 19, where I think we both agreed we had broad</p>
<p style="text-align: right;">107</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 definition of that in your view?</p> <p>3 A. I'm intending it to be a plain look at</p> <p>4 the picture.</p> <p>5 I mean, you can see the Morgan</p> <p>6 Stanley, which didn't go bankrupt, had the</p> <p>7 highest CDS spread of all.</p> <p>8 But, yes, the patterns, the</p> <p>9 co-movements are similar.</p> <p>10 Q. So there is no statistical definition?</p> <p>11 A. You could easily --</p> <p>12 MR. COBETTO: Objection to the form.</p> <p>13 A. There are statistical correlations</p> <p>14 that one can do.</p> <p>15 It's not really necessary, given the</p> <p>16 clarity of the patterns.</p> <p>17 Q. Well that's what I'm getting at.</p> <p>18 Did you do any statistical</p> <p>19 correlation?</p> <p>20 A. That's not necessary for the point</p> <p>21 that I'm trying to make.</p> <p>22 Q. Because you saw that the pattern was</p> <p>23 similar just looking at the graph?</p> <p>24 A. The pattern that is the key to the</p> <p>25 argument in the text is the Exhibit 13 and 14</p>	<p style="text-align: right;">109</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 tracking with a financial index.</p> <p>3 Now you appear to have wandered to</p> <p>4 Exhibit 15, where the highest spread movements</p> <p>5 are actually for Morgan Stanley.</p> <p>6 Q. So your view of it is that the spreads</p> <p>7 for Morgan Stanley increased more than did</p> <p>8 Lehman's spreads?</p> <p>9 A. Look at the picture.</p> <p>10 Q. And that's what you believe is</p> <p>11 reflected in Exhibit 15?</p> <p>12 A. I'm afraid your eyes can tell you</p> <p>13 that. There's a clear peak for Morgan Stanley,</p> <p>14 and it did not go bankrupt.</p> <p>15 Q. Yet.</p> <p>16 Did you analyze any of the business or</p> <p>17 financial fundamentals of Lehman?</p> <p>18 A. I reviewed the Thomson universe of</p> <p>19 analysts' reports on Lehman, which have extensive</p> <p>20 commentary about their view.</p> <p>21 Because what's relevant from my</p> <p>22 analysis is the market. So in that sentence,</p> <p>23 yes.</p> <p>24 I wasn't asked to perform my own</p> <p>25 valuation of Lehman, merely to look at the</p>

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<p style="text-align: right;">110</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 markets.</p> <p>3 Q. Do you know what materials Wachovia</p> <p>4 accessed when it held this bond -- the note at</p> <p>5 issue, not the bond, but the Lehman note at issue</p> <p>6 here, during the period March '07 through</p> <p>7 September of '08 on behalf of SCF Arizona?</p> <p>8 A. I'm sorry, I don't understand the</p> <p>9 question.</p> <p>10 Which analyst Wachovia read or --</p> <p>11 Q. Well, yeah, what materials or analysis</p> <p>12 it accessed in connection with its continuing to</p> <p>13 hold the at-issue note?</p> <p>14 A. I don't.</p> <p>15 That's not my assignment. It wouldn't</p> <p>16 be germane for me.</p> <p>17 Q. How about the question of government</p> <p>18 intervention or bailout or something like that,</p> <p>19 what's your view on how the market regarded that</p> <p>20 possibility or eventuality during the period</p> <p>21 March '07 through September of '08?</p> <p>22 A. Well there's certainly extensive</p> <p>23 commentary.</p> <p>24 MR. COBETTO: I'm sorry, before you go</p> <p>25 on, did you mean March '07 through all the</p>	<p style="text-align: right;">112</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 It was dealt with in a particular way for a</p> <p>3 smaller firm.</p> <p>4 It's not central to my argument one</p> <p>5 way or the other.</p> <p>6 But if you're asking me is that my</p> <p>7 view, yes, that would be my view.</p> <p>8 Q. And is it also your view that the</p> <p>9 market priced that possibility into Lehman's debt</p> <p>10 securities?</p> <p>11 A. What we can observe, and I present, is</p> <p>12 that bond prices remained very high as equity</p> <p>13 prices declined.</p> <p>14 One, that is consistent with that</p> <p>15 story, but it's not a test of it.</p> <p>16 Q. It's consistent, but it's not positive</p> <p>17 proof of it?</p> <p>18 A. It's absolutely not positive proof.</p> <p>19 Q. Would you turn to Exhibit 15.</p> <p>20 I just want to cover this with you so</p> <p>21 that I'm clear on this.</p> <p>22 Let's come back to a fundamental.</p> <p>23 What does it mean when the CDS spread</p> <p>24 on a security increases?</p> <p>25 A. You can think of the CDS market almost</p>
<p style="text-align: right;">111</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 way through '08, so that whole time period?</p> <p>3 Q. Yes.</p> <p>4 A. Oh, March '07.</p> <p>5 Q. Yes.</p> <p>6 A. All right. In March '07 I think</p> <p>7 there's relatively little impression of any</p> <p>8 government bailout.</p> <p>9 In fact, the Federal Reserve chairman</p> <p>10 is giving speeches well into '07, where he says</p> <p>11 the housing crisis is contained and won't really</p> <p>12 affect the economy, so --</p> <p>13 Q. Let's take March '08 and bring it up</p> <p>14 through September.</p> <p>15 A. Post Bear Stearns, I think opinions</p> <p>16 did shift. Because Bear Stearns equity holders,</p> <p>17 as we were talking about before lunch, were</p> <p>18 largely wiped out, but debt holders were</p> <p>19 indemnified.</p> <p>20 Lehman of course is much larger than</p> <p>21 Bear Stearns.</p> <p>22 Q. And you say that the market's view of</p> <p>23 the possibility of intervention had changed in</p> <p>24 that period?</p> <p>25 A. We know that Bear Stearns happened.</p>	<p style="text-align: right;">113</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 as like an insurance market.</p> <p>3 So what you're doing is buying</p> <p>4 protection against default. That's what a spread</p> <p>5 is telling you.</p> <p>6 So a rising spread means you're having</p> <p>7 to pay more for that insurance. So the easy</p> <p>8 inference is the risk of that security has gone</p> <p>9 up.</p> <p>10 Q. And, generally speaking, just to be</p> <p>11 clear on Exhibit 15, would you characterize for</p> <p>12 us what conclusions it demonstrates?</p> <p>13 A. Well you can see that in the</p> <p>14 pre-crisis period you had fairly modest CDS</p> <p>15 spreads for most of these.</p> <p>16 Unfortunately this is in black and</p> <p>17 white. So I can't identify exactly who the</p> <p>18 spikes are.</p> <p>19 Where you have Bear Stearns obviously</p> <p>20 and its episode, and then you've got a rising</p> <p>21 after the beginning of the summer, more for</p> <p>22 Lehman than the others. And then you have Morgan</p> <p>23 Stanley blowing out.</p> <p>24 Q. Where do you see Morgan Stanley</p> <p>25 blowing out?</p>

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<p style="text-align: right;">118</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 If you look at the data, you do see</p> <p>3 that Lehman's bond price declines more than I</p> <p>4 think the median, to go back to the -- not so</p> <p>5 much the note at issue here, but Lehman bonds</p> <p>6 generally declined relative to the decline in the</p> <p>7 index as a whole.</p> <p>8 So there's both a Lehman effect and a</p> <p>9 common effect.</p> <p>10 Now for your note that's not true.</p> <p>11 But that would be true for the others.</p> <p>12 Q. One of the things that you say in your</p> <p>13 report is that a maturity mismatch between</p> <p>14 Lehman's assets and liabilities created the</p> <p>15 potential for a run on the bank.</p> <p>16 First of all, what is, "a run on the</p> <p>17 bank"?</p> <p>18 A. A traditional run on a bank, a real</p> <p>19 bank, a commercial bank, is --</p> <p>20 Q. A real bank as opposed to an unreal</p> <p>21 bank?</p> <p>22 A. Well, no.</p> <p>23 The classic example is a commercial</p> <p>24 bank of depositors.</p> <p>25 So a bank holds loans. And it has</p>	<p style="text-align: right;">120</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 Q. Now one of the other things I saw in</p> <p>3 your report, sir, is that you observed that after</p> <p>4 a company defaults on its debt or files for</p> <p>5 bankruptcy, its bond trade on average for 30 to</p> <p>6 40 cents on the dollar depending on the seniority</p> <p>7 of the bond?</p> <p>8 A. That's a long term calculation from</p> <p>9 rating agency data, yes.</p> <p>10 Q. Did you make that calculation</p> <p>11 yourself, or is it just generally an available</p> <p>12 calculation?</p> <p>13 A. The calculation comes from the rating</p> <p>14 agencies.</p> <p>15 Q. It comes from the rating agencies?</p> <p>16 A. Yes.</p> <p>17 Q. A rating agency?</p> <p>18 A. The one cited I believe was S&P.</p> <p>19 But I'd have to go back and look at</p> <p>20 the --</p> <p>21 (Document review.)</p> <p>22 A. Yeah, I'd have to look at the backup</p> <p>23 on that. I believe it's S&P.</p> <p>24 But, yes, it's from the rating</p> <p>25 agencies themselves. It comes from a study over</p>
<p style="text-align: right;">119</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 private information about those loans.</p> <p>3 If I become concerned about the value</p> <p>4 of the bank -- assume away deposit insurance for</p> <p>5 the moment -- the only way I know to get my money</p> <p>6 back is to be first in line.</p> <p>7 And so the classic run on the bank is</p> <p>8 something happens that creates uncertainty about</p> <p>9 a bank's assets. People run to get their money</p> <p>10 out first.</p> <p>11 Deposit insurance was designed to stop</p> <p>12 that kind of run and to stop it from going from</p> <p>13 bank to bank, a panic instead of a run.</p> <p>14 This time around was a shadow banking</p> <p>15 run.</p> <p>16 So many noncommercial bank</p> <p>17 institutions were doing bank-type financing, that</p> <p>18 is, taking in money short and investing it long.</p> <p>19 That liquidity transformation or</p> <p>20 maturity transformation is one of the oldest</p> <p>21 problems in finance.</p> <p>22 And it's always troublesome.</p> <p>23 And so when you have liquidity dry up</p> <p>24 or an inability to fund yourself on the short</p> <p>25 end, you're in trouble.</p>	<p style="text-align: right;">121</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 a 25 year default history.</p> <p>3 Q. Okay. I'll find it in the report --</p> <p>4 A. Yeah.</p> <p>5 Q. -- somewhere.</p> <p>6 I'm sure I know the answer to this,</p> <p>7 but you've never met any of the participants in</p> <p>8 this case, to your knowledge?</p> <p>9 A. To my knowledge, no.</p> <p>10 Q. Never met anyone at SCF Arizona?</p> <p>11 A. No.</p> <p>12 I had never heard of SCF Arizona</p> <p>13 before this case.</p> <p>14 Q. I'm sorry?</p> <p>15 A. I didn't know the firm, so --</p> <p>16 Q. They're nice people.</p> <p>17 A. I'm sure they are. I just said I</p> <p>18 don't know them.</p> <p>19 Q. Have you met any of the Wachovia</p> <p>20 global securities lending people that played a</p> <p>21 role in this case?</p> <p>22 A. No, sir.</p> <p>23 Q. Did you -- have you talked to any of</p> <p>24 the Wachovia people in connection with your</p> <p>25 assignment in this case?</p>

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R. GLENN HUBBARD - CONFIDENTIAL

<p style="text-align: right;">122</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 A. No, sir.</p> <p>3 Q. Other than counsel of course?</p> <p>4 A. Other than counsel, no, sir.</p> <p>5 Q. Right.</p> <p>6 And you certainly didn't interview any</p> <p>7 of the Wachovia people?</p> <p>8 A. No, sir.</p> <p>9 Q. And you yourself have no knowledge as</p> <p>10 to what they did or didn't do?</p> <p>11 A. No, sir.</p> <p>12 That's not my assignment.</p> <p>13 Q. What would you have expected to see in</p> <p>14 terms of credit analysis in a securities lending</p> <p>15 program such as the one administered by WGS, L,</p> <p>16 Wachovia Global Securities Lending, with respect</p> <p>17 to the Lehman at-issue note?</p> <p>18 MR. COBETTO: Objection to the form.</p> <p>19 A. Well generally -- again, I haven't</p> <p>20 seen the securities lending agreement.</p> <p>21 But generally in securities lending</p> <p>22 agreements it's relatively conservative</p> <p>23 investment styles.</p> <p>24 You want some yield, but you're not</p> <p>25 reaching all the way. So moderation in risk, and</p>	<p style="text-align: right;">124</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 and an issue.</p> <p>3 So on the issuer you're trying to get</p> <p>4 a sense of the financial health of the business</p> <p>5 and the market in which it operates.</p> <p>6 And on the issue you want to make sure</p> <p>7 that you're at a position in the capital</p> <p>8 structure that enables you to have, you know, a</p> <p>9 not terribly risky recovery.</p> <p>10 So you'd want to do both of those.</p> <p>11 Q. And would you expect that analysis to</p> <p>12 be reflected in some note or memorandum or</p> <p>13 writing?</p> <p>14 MR. COBETTO: Objection to the form.</p> <p>15 A. It might or might not.</p> <p>16 Portfolio managers, investment</p> <p>17 advisors, sec lending program, these are all, you</p> <p>18 know, day-to-day decisions.</p> <p>19 What you would expect is that there</p> <p>20 is, you know, an agreed-upon risk profile with a</p> <p>21 client.</p> <p>22 But beyond that, there would just be</p> <p>23 discretion and continued discussion.</p> <p>24 Q. How do you analyze the financial</p> <p>25 health of a firm?</p>
<p style="text-align: right;">123</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 making sure that you think it's a sound credit.</p> <p>3 And pretty much the same as any other</p> <p>4 credit analysis.</p> <p>5 Q. Well what do you do to reach that</p> <p>6 conclusion, moderate risk and -- you say moderate</p> <p>7 risk.</p> <p>8 What is that, in terms of quantifiable</p> <p>9 risk in the market?</p> <p>10 A. I haven't read the sec lending</p> <p>11 agreement. So I have no idea what the client</p> <p>12 wanted.</p> <p>13 Q. Understandable.</p> <p>14 A. Generally speaking, my comment was sec</p> <p>15 lending arrangements tend to be relatively</p> <p>16 conservative.</p> <p>17 And so you wouldn't reach for too much</p> <p>18 risk.</p> <p>19 And looking at these bond prices on</p> <p>20 your note, they obviously did not, until they</p> <p>21 went bankrupt.</p> <p>22 Q. And what do you do to ascertain that</p> <p>23 the credit is a sound credit; what does a credit</p> <p>24 analyst typically do?</p> <p>25 A. Well you're looking at both an issuer</p>	<p style="text-align: right;">125</p> <p>1 CONFIDENTIAL - HUBBARD</p> <p>2 A. For me it always starts with the</p> <p>3 business the firm is in itself.</p> <p>4 Do I believe this is a sound business</p> <p>5 with long term fundamentals.</p> <p>6 Then I look at the financial picture</p> <p>7 of the firm and try to get a sense of the firm's</p> <p>8 capital structure.</p> <p>9 This is also a financial institution;</p> <p>10 so also the way it's funding itself, what are the</p> <p>11 risks to which it's exposed.</p> <p>12 All of that would go into a credit</p> <p>13 analysis.</p> <p>14 Keep in mind, we're talking about an</p> <p>15 analysis of credit that is debt.</p> <p>16 So I'm more concerned with the chance</p> <p>17 I'm going to lose my money than the chance that</p> <p>18 there's some great upside, because I don't get</p> <p>19 that.</p> <p>20 Q. You'd get the upside if you were</p> <p>21 investing in an equity security?</p> <p>22 A. Right.</p> <p>23 But if we're looking at a senior</p> <p>24 unsecured note, if Lehman booms, that doesn't</p> <p>25 help me. But if Lehman goes under, I take it.</p>

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